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# Nuclear Magnetic Resonance

National Cancer Institute

## Source

National Cancer Institute. *Nuclear Magnetic Resonance*. NCI Thesaurus. Code C16921.

A physical phenomenon involving the interaction of atomic nuclei placed in an external magnetic field with an applied electromagnetic field oscillating at a particular frequency. Magnetic conditions within the material are measured by monitoring the radiation absorbed and emitted by the atomic nuclei. It is the underlying principle of Magnetic Resonance Imaging (MRI).